

Message Text

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PAGE 01 STATE 062957
ORIGIN EB-08

INFO OCT-01 EUR-12 ISO-00 DODE-00 NSAE-00 USIA-06
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C O N F I D E N T I A L STATE 062957

USOECN, EXCON

E.O. 11652: XGDS-1

TAGS: ESTC, COCOM, UR, US

SUBJECT: US PHOTOMULTIPLIER TUBE TO USSR--IL 1549

REF: PARIS 37134, COCOM DOC (77) 871

FOLLOWING IS RESPONSE TO FRENCH QUESTIONS RAISED IN ABOVE
REFTEL:

1. THE SIMPLICITY OF THE TUBE CONSTRUCTION MAKES IT
INHERENTLY QUALIFIED TO WITHSTAND 100 G'S FOR 11 MILI-
SECONDS. OTHER EMR PHOTOTUBES HAVE THE SAME CAPABILITY
WITHOUT SPECIFIC INTENT TO MAKE THEM RUGGED. TUBES OF
THE 541 SERIES HAVE BEEN APPROVED TO USSR (BTR A-236523
IN FEBRUARY 1977), ENTRY IL 1549 FOR PHOTO-MULTIPLIERS
DOES NOT RESTRICT TUBES ACCORDING TO SHOCK OR TEMPERATURE
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PAGE 02 STATE 062957

SPECIFICATIONS. FOR ELECTRON TUBES (IL 1558) WHERE THERE
IS A SHOCK PARAMETER A LIMIT OF 1,000 G'S IS CONSIDERED
APPLICABLE.

2. BEGIN FYI: NOTE EVEN THOUGH THE TUBE DOES HAVE MILITARY
APPLICATIONS IN SURVEILLANCE, ONLY ONE TUBE HAS BEEN
REQUESTED AND IS NOT CONSIDERED SIGNIFICANT. IN ALL FAIR-

NESS THE FRENCH QUESTION REALLY CONCERNS THE "TYPE OF
LABORATORY TEST IT WAS PROPOSED TO CARRY OUT WITH THIS
TUBE." EMR HAS NOT SUPPLIED THE ANSWER TO THIS. WE
RECOMMEND AN RWA FOR THIS INFORMATION IF THE FRENCH
PURSUE THE QUESTION. BTR 236523 CONCERNED A JOINT
RUSSIAN/FRENCH ASTRO-PHYSICAL MEASUREMENT. THE TUBE
INVOLVED NOW WAS AN OMC COMMODITY UNTIL SEPTEMBER 1977.
END FYI VANCE

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